

Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Humboldt County, Iowa

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
6: OKOBOJI, depressional-----	---	> 80	---	---	---	---	High-----	High-----	Low.
27B: TERRIL-----	---	> 80	---	---	---	---	Moderate-----	Moderate-----	Low.
54: ZOOK-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
55: NICOLLET-----	---	> 80	---	---	---	---	High-----	High-----	Low.
62F: STORDEN-----	---	> 80	---	---	---	---	Moderate-----	Low-----	Low.
90: OKOBOJI, mucky, depressional-----	---	> 80	---	---	---	---	High-----	High-----	Low.
95: HARPS-----	---	> 80	---	---	---	---	High-----	High-----	Low.
107: WEBSTER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
135: COLAND-----	---	> 80	---	---	---	---	High-----	High-----	Low.
138B: CLARION-----	---	> 80	---	---	---	---	Moderate-----	Low-----	Low.
138C2: CLARION, moderately eroded-----	---	> 80	---	---	---	---	Moderate-----	Low-----	Low.

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		In	In		In	In			
175: DICKINSON-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
WADENA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
175B: DICKINSON-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
175C: DICKINSON-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
188: KENSETT-----	Bedrock (lithic)	24- 40	---	---	---	---	High-----	High-----	Low.
201B: COLAND-----	---	> 80	---	---	---	---	High-----	High-----	Low.
TERRIL-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Low.
203: CYLINDER-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
221: KLOSSNER, depressional-----	---	> 80	---	---	2-4	25-32	High-----	High-----	Moderate.
236B: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
236C: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
236C2: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
236D2: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.

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		In	In		In	In			
236E: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
236F: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
253B: FARRAR-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Low.
253C: FARRAR-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Low.
256G: LESTER-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
STORDEN-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
259: BISCAY, 32 to 40 inches to sand and gravel-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
274: ROLFE, depressiona	---	> 80	---	---	---	---	High-----	High-----	Moderate.
308: WADENA, 32 to 40 inches to sand and gravel-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
308B: WADENA, 32 to 40 inches to sand and gravel-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
330: KINGSTON-----	---	> 80	---	---	---	---	High-----	High-----	Low.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
338: GARMORE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
339: TRUMAN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
339B: TRUMAN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
344B: COPASTON-----	Bedrock (lithic)	4- 20	---	---	---	---	Moderate----	Low-----	Low.
354: AQUOLLS, (marsh), ponded-----	---	---	---	---	---	---	None-----	---	---
485: SPILLVILLE-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
506: WACOUSTA-----	---	> 80	---	---	---	---	High-----	High-----	Low.
507: CANISTEO-----	---	> 80	---	---	---	---	High-----	High-----	Low.
508: CALCOUSTA-----	---	> 80	---	---	---	---	High-----	High-----	Low.
526: WACOUSTA-----	---	> 80	---	---	---	---	High-----	High-----	Low.
536: HANLON-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Low.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
638C2: CLARION, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
STORDEN, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
659: MAYER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
823: RIDGEPORT-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
823B: RIDGEPORT-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
823C2: RIDGEPORT, moderately eroded-	---	> 80	---	---	---	---	Low-----	Low-----	Low.
828B: ZENOR-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
828C2: ZENOR, moderately eroded-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
829D2: ZENOR, moderately eroded-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
STORDEN, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
835D2: STORDEN, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
OMSRUD, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
835E2: STORDEN, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
OMSRUD, moderately eroded-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
956: HARPS-----	---	> 80	---	---	---	---	High-----	High-----	Low.
OKOBOJI-----	---	> 80	---	---	---	---	High-----	High-----	Low.
1585: SPILLVILLE-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
COLAND-----	---	> 80	---	---	---	---	High-----	High-----	Low.
4000: URBAN LAND-----	---	---	---	---	---	---	---	---	---
5010: PITS, GRAVEL-----	---	---	---	---	---	---	---	---	---
5030: PITS, QUARRIES-----	Bedrock (lithic)	0- 4	---	---	---	---	---	---	---
5040: UDORTHENTS-----	---	---	---	---	---	---	---	---	---
5080: UDORTHENTS-----	---	---	---	---	---	---	---	---	---

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
AW: ANIMAL WASTE LAGOON	---	---	---	---		---	---	---	---
SL: SEWAGE LAGOON-----	---	---	---	---		---	---	---	---
W: WATER-----	---	---	---	---		---	---	---	---